

PATENT

IN THE UNITED STATES PATENT OFFICE

Serial No.: Not yet assigned

Filed: Herewith

For: DEVICE AND METHOD FOR DETECTING  
THE PHASE AND AMPLITUDE OF  
ELECTROMAGNETIC WAVES

Inventor: Rudolf Schwarte

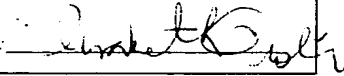
Atty Doc. No.: 752-00

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DATE OF DEPOSIT November 13, 2000

I HEREBY CERTIFY THAT THIS PAPER IS  
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**EXPRESS MAIL COVER LETTER**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Dear Sir:

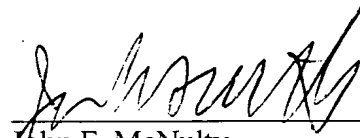
- (1) Specification (19 pages);
- (2) Claims (6 pages);
- (3) Abstract (1 page);
- (4) Verification of Translation (1 page);
- (5) Declaration and Power of Attorney (2 pages);
- (6) Preliminary Amendment;
- (7) Twelve sheets drawings in triplicate;
- (8) Small Entity Verification - Independent Inventor
- (9) Transmittal form (duplicate);

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- (10) Check in the amount of \$635.00 application filing fee;
- (11) German Search Report, dated November 12, 1998;
- (12) International Search Report, dated October 21, 1999;
- (13) International Preliminary Examination Report, dated October 11, 2000;
- (14) Published PCT application in German;
- (15) Express Mail cover letter, and
- (16) Paul & Paul postcard to be returned by the PTO.

THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY  
ADDITIONAL FEES ASSOCIATED WITH THIS COMMUNICATION, OR CREDIT ANY  
OVERPAYMENT, TO PAUL & PAUL DEPOSIT ACCOUNT NO. 16-0750, ORDER  
NO. 6177.

Respectfully submitted,

  
\_\_\_\_\_  
John F. McNulty

Reg. No. 23,028

Paul &amp; Paul

2900 Two Thousand Market St.

Philadelphia, PA 19103

(215) 568-4900

11-14-00

527 Rec'd PCT/PTC

13 NOV 2000

FORM 370-1 (Modified) REV 11-98		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 752-00	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 09/700439	
INTERNATIONAL APPLICATION NO. PCT/DE99/01436		INTERNATIONAL FILING DATE 10 May 1999		PRIORITY DATE CLAIMED 18 May 1998	
TITLE OF INVENTION APPARATUS AND METHOD FOR DETECTING THE PHASE AND AMPLITUDE OF ELECTROMAGNETIC WAVES					
APPLICANT(S) FOR DO/EO/US Rudolf Schwarte					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"><li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li><li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li><li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li></ol></li><li>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li><li>7. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li><li>8. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li><li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li></ol></li><li>9. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li><li>10. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li><li>11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li><li>12. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li></ol>					
Items 13 to 20 below concern document(s) or information included:					
<ol style="list-style-type: none"><li>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li><li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li><li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li><li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li><li>17. <input type="checkbox"/> A substitute specification.</li><li>18. <input type="checkbox"/> A change of power of attorney and/or address/letter.</li><li>19. <input checked="" type="checkbox"/> Certificate of Mailing by Express Mail</li><li>20. <input type="checkbox"/> Other items or information:</li></ol>					

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.492)

INTERNATIONAL APPLICATION NO.

ATTORNEY'S DOCKET NUMBER

09/70043

PCT/DE99/01436

752-00

21. The following fees are submitted:

CALCULATIONS PTO USE ONLY

**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :**

- ☒ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$970.00
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$840.00
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$690.00
- ☐ International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$670.00
- ☐ International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$96.00

**ENTER APPROPRIATE BASIC FEE AMOUNT =****\$1,000.00**Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).**\$0.00**

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	- 20 =	0	x \$18.00
Independent claims	- 3 =	0	x \$80.00

**\$0.00****\$0.00**Multiple Dependent Claims (check if applicable). ☒**\$270.00****TOTAL OF ABOVE CALCULATIONS =****\$1,270.00**Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable). ☒**\$635.00****SUBTOTAL =****\$635.00**Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).**\$0.00****TOTAL NATIONAL FEE =****\$635.00**Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). ☐**\$0.00****TOTAL FEES ENCLOSED =****\$635.00**

Amount to be:

refunded

\$

charged

\$

☒ A check in the amount of **\$635.00** to cover the above fees is enclosed.

☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.

A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **16-0750** A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

John F. McNulty, Esquire  
Paul & Paul  
2900 Two Thousand Market Street  
Philadelphia, PA 19103  
(215) 568-4900

SIGNATURE

John F. McNulty

NAME

23,028

REGISTRATION NUMBER

November 13, 2000

DATE